



# Valves – Valve Stem

Chemical Processing –Valves

## General Information

**Customer:** Flowserve / Momentive Performance Materials, USA)  
**Product:** Valves  
**Application:** HCl / Silicon Production  
**Install Date:** 2005

## Problem

Flowserve had observed problems with high temperature HCl at 150°C – 200°C penetrating (diffusing) through their polymer lined (PFA) valves. This was leading to severe corrosion attack on the stainless base material with the valves lasting at most 6 months.

## Solution

A **Tanteline JobShop** solution was applied on the stems of Flowserve Atomac ball valves in 2005.

## Result

The valves have been in service since 2005 with no reported problems. As a result, the Tanteline treated valves have lasted at least 7 times longer than PFA lined valves and are still in operation today.



[www.tanteline.com](http://www.tanteline.com)